

**APPLICATION FOR THE CONSENT TO CONDUCT MARINE SCIENTIFIC
RESEARCH IN AREAS UNDER NATIONAL JURISDICTION OF THE UNITED
KINGDOM**

Date: 31.05.11

1. General information

1.1 Cruise name and/or number:

1.2 Sponsoring institution:

Name: Marine Institute

Address: Rinville
Oranmore
Co. Galway
Ireland

Name of Chief Executive: Dr. Peter Heffernan

1.3 Scientist in charge of the project:

Name: Ciaran O'Donnell

Address: As above

Telephone: +353 879681954

Telefax: +353 91 387201

1.4 Scientist(s) from UNITED KINGDOM involved in the planning of the project

Name(s): Na

Address:

1.5 Submitting officer:

Name and address:

Rinville
Oranmore
Co. Galway

Country: Ireland

Telephone: 00 353 91 387200

Telefax: 00 353 91 387201

2. Description of project (Attach additional pages as necessary)

2.1 Nature of objectives of the project:

Determine the relative abundance and age structure of boarfish (*Capros aper*) pre-spawning and spawning aggregations to the West of Ireland, western and southern Celtic Sea.

2.2 Relevant previous or future research cruises:

This survey is the first of its kind and is being carried out as a fishery independent measure of the relative acoustic abundance of this relatively new commercial stock and marks the commencement of the survey time series to be carried out annually.

2.3 Previously published research data relating to the project:

Acoustic data, age and maturity of boarfish samples will be used to provide a fishery independent measure of relative abundance within the northern area. The results of this survey will be presented to the ICES Working Group Widely Distributed Stocks (WGWIDE) in September 2011.

Further information on the Working Group Widely Distributed Stocks (WGWIDE) can be found at:

<http://www.ices.dk/workinggroups/ViewWorkingGroup.aspx?ID=273>

3. Methods and means to be used

3.1 Particulars of vessel

Name: FV Felucca

Nationality: Irish

Owner: Polar Fish Ltd, Killybegs, Co. Donegal, Ireland

Overall length: 58m

Maximum draught: 7.8m

Net tonnage: 828

Propulsion: Caterpillar 3,800Hp, 2,770Kw

Cruising speed: 10 Kts

Call sign: EI GC

Method and capability of communication –

Vsat Satellite Broadband

Imarsat –c

HF

VHF

Mini –M

Name of master: Mr John Riley

Number of crew: 8

Number of scientists on board: 4

3.2 Aircraft or other craft to be used in the project:

No

3.3 Particulars of methods and scientific instruments

Types of samples and data	Methods to be used	Instruments to be used
Acoustic data	ER60 Scientific Echosounder	ER60 Scientific Echosounder within a shallow towed body (2m depth)
Biological	Trawling	Pelagic mid-water trawl

3.4 Indicate whether harmful substances will be used:

No

3.5 Indicate whether drilling will be carried out:

No

3.6 Indicate whether explosives will be used

No

4. Installations and equipment

Details of installations and equipment (dates of laying, servicing, recovery, exact locations and depth):

Na

5. Geographical areas

5.1 Indicate geographical areas in which the project is to be conducted (with reference in latitude and longitude): See Chart

5.2 Attach chart(s) at an appropriate scale showing the geographical areas of the intended work and, as far as practicable, the positions of intended stations, the tracks of survey lines, and the locations of installations and equipment.

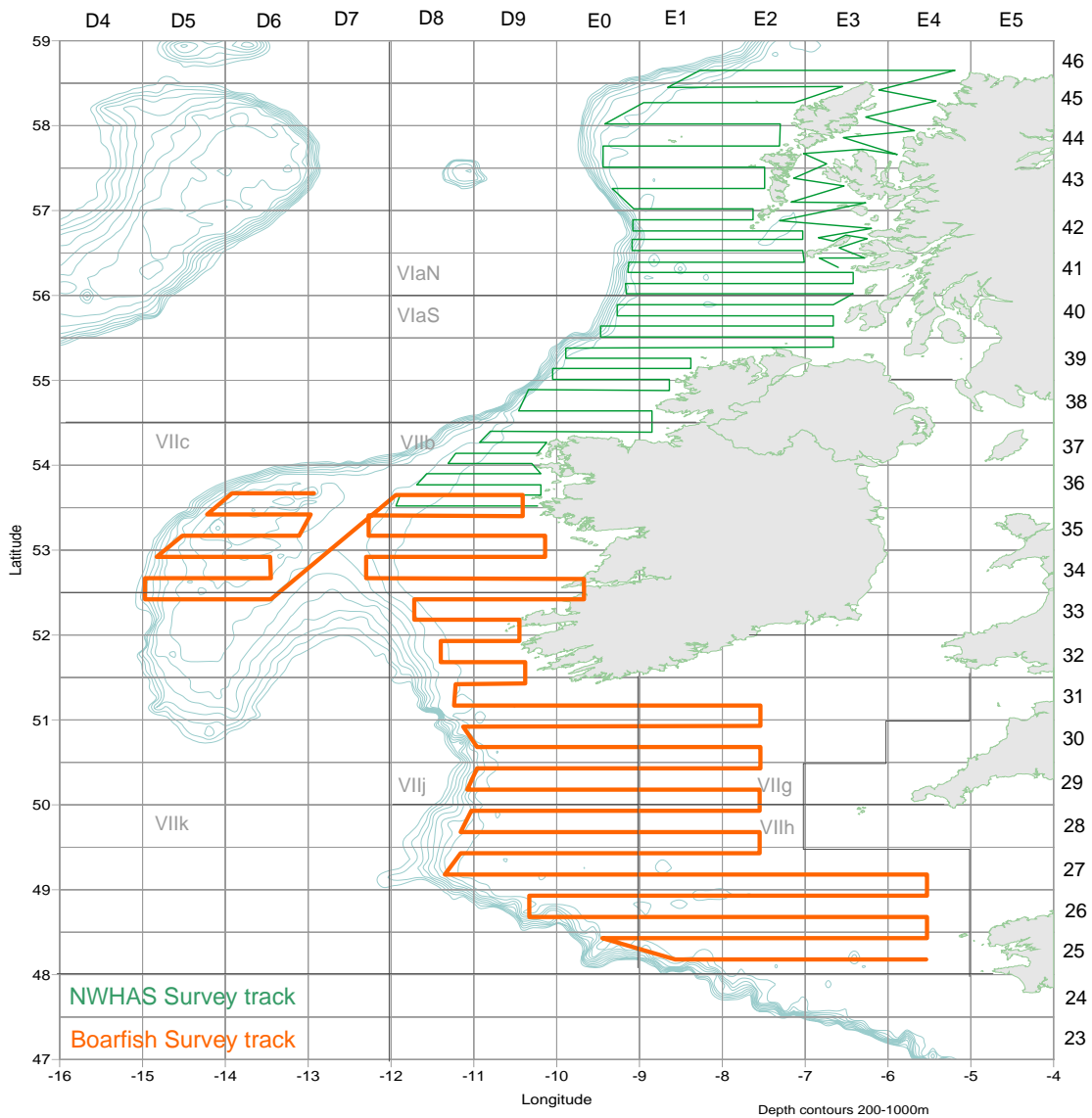


Figure 1. Proposed boarfish (ORANGE line) acoustic survey cruise track, Green line indicates another independent onboard the RV Celtic Explorer.

6. Dates

Expected dates of first entry into final departure from research area of the research vessel: Survey period extends from the 07 July – 28 July. The cruise track is due to begin in the North and work to the south. Multiple entry into UK waters will be required and dates are somewhat weather dependent.

Expected arrival in UK waters:	15 July, 2011
Expected departure from UK waters:	21 July, 2011

6.2 Indicate if multiple entry is expected: **Yes**

7. Port calls **Non planned**

7.1 Dates and names of intended ports of calls in UNITED KINGDOM:

7.2 Any special logistical at ports of call: **NA**

7.3 Names/ Address / Telephone of shipping agent (if available)

8. Participation

8.1 Extent to which UNITED KINGDOM will be enable to participate to be represented in research project:

Through funding and data exchange within the ICES forum

8.2 Proposed dates and ports for embarkation / disembarkation:

Survey period extends from the 07 July in Killybegs, Co. Donegal, Ireland – 28 July at the same location

9. Access to data, samples and research results

9.1 Expected dates of submission to UNITED KINGDOM preliminary reports which should include the expected dates of submission of the final results:

29.09.2011

9.2 Proposed means for access by UNITED KINGDOM to data and samples:

Through the ICES forum : WGWIDE (Working Group on Widely Distributed Stocks) or by direct contact with the leading scientist

9.3 Proposed means to provide UNITED KINGDOM with assessment of data, samples and research results or provide assistance in their assessment or interpretation:

Through the ICES forum : WGWIDE (Working Group on Widely Distributed Stocks) or by direct contact with the leading scientist

9.4 Proposed means of making research results internationally available:

Through the ICES forum : WGWIDE (Working Group on Widely Distributed Stocks) or by direct contact with the leading scientist

10. Scientific Equipment

**COMPLETE THE FOLLOWING TABLE-
SEPARATE PAGE FOR EACH COSTAL STATE:**

INDICATE YES OR NO

LIST SCIENTIFIC WORK BY FUNCTION Eg: MAGNETOMETRY: GRAVITY DIVING SEISMICS BATHYMETRY SEABED SAMPLING TRAWLING ECHO SOUNDING WATER SAMPLING U/W TV MOORED INSTRUMENTS TRAWLING ECHO SOUNDING WATER SAMPLING	Echosounder (Fisheries capability)	Fisheries research within fishing limits	Fisheries and physical oceanography	DISTANCE FROM COAST		
				Coast (50m)	250m	Based on self and to shelf edge
WATER SAMPLING	No	No	YES	No	No	
PROFILING INSTRUMENTS	YES	No	YES	No	No	
ABOVE WATER OPTICS AND PHOTOGRAPHY	No	No	No	No	No	

Ciaran O'Donnell

(On behalf of the Principle Scientist)

Dated -----31.05.2011-----